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TECH CENTER 1600/2900

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<120> NUCLEAR FACTOR KB INDUCING FACTOR

<130> 23461 usa

<140> As yet unassigned

<141> 2000-03-31

<160> 10

<170> PatentIn Ver. 2.0

<210> 1

<211> 453

<212> PRT

<213> Homo sapiens

<400> 1

Met Ala Leu Val Arg Ala Leu Val Cys Cys Leu Leu Thr Ala Trp His
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Cys Arg Ser Gly Leu Gly Leu Pro Val Ala Pro Ala Gly Gly Arg Asn
20 25 30

Pro Pro Pro Ala Ile Gly Gln Phe Trp His Val Thr Asp Leu His Leu
35 40 45

Asp Pro Thr Tyr His Ile Thr Asp Asp His Thr Lys Val Cys Ala Ser
50 55 60

Ser Lys Gly Ala Asn Ala Ser Asn Pro Gly Pro Phe Gly Asp Val Leu
65 70 75 80

Cys Asp Ser Pro Tyr Gln Leu Ile Leu Ser Ala Phe Asp Phe Ile Lys
85 90 95

Asn Ser Gly Gln Glu Ala Ser Phe Met Ile Trp Thr Gly Asp Ser Pro
100 105 110

Pro His Val Pro Val Pro Glu Leu Ser Thr Asp Thr Val Ile Asn Val
115 120 125

501B
C1

Ile	Thr	Asn	Met	Thr	Thr	Thr	Ile	Gln	Ser	Leu	Phe	Pro	Asn	Leu	Gln	130	135	140	
Val	Phe	Pro	Ala	Leu	Gly	Asn	His	Asp	Tyr	Trp	Pro	Gln	Asp	Gln	Leu	145	150	155	160
Ser	Val	Val	Thr	Ser	Lys	Val	Tyr	Asn	Ala	Val	Ala	Asn	Leu	Trp	Lys	165	170	175	
Pro	Trp	Leu	Asp	Glu	Glu	Ala	Ile	Ser	Thr	Leu	Arg	Lys	Gly	Gly	Phe	180	185	190	
Tyr	Ser	Gln	Lys	Val	Thr	Thr	Asn	Pro	Asn	Leu	Arg	Ile	Ile	Ser	Leu	195	200	205	
Asn	Thr	Asn	Leu	Tyr	Tyr	Gly	Pro	Asn	Ile	Met	Thr	Leu	Asn	Lys	Thr	210	215	220	
Asp	Pro	Ala	Asn	Gln	Phe	Glu	Trp	Leu	Glu	Ser	Thr	Leu	Asn	Asn	Ser	225	230	235	240
Gln	Gln	Asn	Lys	Glu	Lys	Val	Tyr	Ile	Ile	Ala	His	Val	Pro	Val	Gly	245	250	255	
Tyr	Leu	Pro	Ser	Ser	Gln	Asn	Ile	Thr	Ala	Met	Arg	Glu	Tyr	Tyr	Asn	260	265	270	
Glu	Lys	Leu	Ile	Asp	Ile	Phe	Gln	Lys	Tyr	Ser	Asp	Val	Ile	Ala	Gly	275	280	285	
Gln	Phe	Tyr	Gly	His	Thr	His	Arg	Asp	Ser	Ile	Met	Val	Leu	Ser	Asp	290	295	300	
Lys	Lys	Gly	Ser	Pro	Val	Asn	Ser	Leu	Phe	Val	Ala	Pro	Ala	Val	Thr	305	310	315	320
Pro	Val	Lys	Ser	Val	Leu	Glu	Lys	Gln	Thr	Asn	Asn	Pro	Gly	Ile	Arg	325	330	335	
Leu	Phe	Gln	Tyr	Asp	Pro	Arg	Asp	Tyr	Lys	Leu	Leu	Asp	Met	Leu	Gln	340	345	350	
Tyr	Tyr	Leu	Asn	Leu	Thr	Glu	Ala	Asn	Leu	Lys	Gly	Glu	Ser	Ile	Trp	355	360	365	
Lys	Leu	Glu	Tyr	Ile	Leu	Thr	Gln	Thr	Tyr	Asp	Ile	Glu	Asp	Leu	Gln	370	375	380	

Pro Glu Ser Leu Tyr Gly Leu Ala Lys Gln Phe Thr Ile Leu Asp Ser
385 390 395 400

Lys Gln Phe Ile Lys Tyr Tyr Asn Tyr Phe Phe Val Ser Tyr Asp Ser
405 410 415

Ser Val Thr Cys Asp Lys Thr Cys Lys Ala Phe Gln Ile Cys Ala Ile
420 425 430

Met Asn Leu Asp Asn Ile Ser Tyr Ala Asp Cys Leu Lys Gln Leu Tyr
435 440 445

Ile Lys His Asn Tyr
450

<210> 2

<211> 364

<212> PRT

<213> Homo sapiens

<400> 2

Met Ala Leu Val Arg Ala Leu Val Cys Cys Leu Leu Thr Ala Trp His
1 5 10 15

Cys Arg Ser Gly Leu Gly Leu Pro Val Ala Pro Ala Gly Gly Arg Asn
20 25 30

Pro Pro Pro Ala Ile Gly Gln Phe Trp His Val Thr Asp Leu His Leu
35 40 45

Asp Pro Thr Tyr His Ile Thr Asp Asp His Thr Lys Val Cys Ala Ser
50 55 60

Ser Lys Gly Ala Asn Ala Ser Asn Pro Gly Pro Phe Gly Asp Val Leu
65 70 75 80

Cys Asp Ser Pro Tyr Gln Leu Ile Leu Ser Ala Phe Asp Phe Ile Lys
85 90 95

Asn Ser Gly Gln Glu Ala Ser Phe Met Ile Trp Thr Gly Asp Ser Pro
100 105 110

Pro His Val Pro Val Pro Glu Leu Ser Thr Asp Thr Val Ile Asn Val
115 120 125

Ile Thr Asn Met Thr Thr Thr Ile Gln Ser Leu Phe Pro Asn Leu Gln
130 135 140

Val	Phe	Pro	Ala	Leu	Gly	Asn	His	Asp	Tyr	Trp	Pro	Gln	Val	Tyr	Ile	145	150	155	160
Ile	Ala	His	Val	Pro	Val	Gly	Tyr	Leu	Pro	Ser	Ser	Gln	Asn	Ile	Thr	165	170	175	
Ala	Met	Arg	Glu	Tyr	Tyr	Asn	Glu	Lys	Leu	Ile	Asp	Ile	Phe	Gln	Lys	180	185	190	
Tyr	Ser	Asp	Val	Ile	Ala	Gly	Gln	Phe	Tyr	Gly	His	Thr	His	Arg	Asp	195	200	205	
Ser	Ile	Met	Val	Leu	Ser	Asp	Lys	Lys	Gly	Ser	Pro	Val	Asn	Ser	Leu	210	215	220	
Phe	Val	Ala	Pro	Ala	Val	Thr	Pro	Val	Lys	Ser	Val	Leu	Glu	Lys	Gln	225	230	235	240
Thr	Asn	Asn	Pro	Gly	Ile	Arg	Leu	Phe	Gln	Tyr	Asp	Pro	Arg	Asp	Tyr	245	250	255	
Lys	Leu	Leu	Asp	Met	Leu	Gln	Tyr	Tyr	Leu	Asn	Leu	Thr	Glu	Ala	Asn	260	265	270	
Leu	Lys	Gly	Glu	Ser	Ile	Trp	Lys	Leu	Glu	Tyr	Ile	Leu	Thr	Gln	Thr	275	280	285	
Tyr	Asp	Ile	Glu	Asp	Leu	Gln	Pro	Glu	Ser	Leu	Tyr	Gly	Leu	Ala	Lys	290	295	300	
Gln	Phe	Thr	Ile	Leu	Asp	Ser	Lys	Gln	Phe	Ile	Lys	Tyr	Tyr	Asn	Tyr	305	310	315	320
Phe	Phe	Val	Ser	Tyr	Asp	Ser	Ser	Val	Thr	Cys	Asp	Lys	Thr	Cys	Lys	325	330	335	
Ala	Phe	Gln	Ile	Cys	Ala	Ile	Met	Asn	Leu	Asp	Asn	Ile	Ser	Tyr	Ala	340	345	350	
Asp	Cys	Leu	Lys	Gln	Leu	Tyr	Ile	Lys	His	Asn	Tyr					355	360		

<210> 3
 <211> 1362
 <212> DNA
 <213> Homo sapiens

<400> 3

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tggcatgtga	ctgacttaca	cttagaccct	acttaccaca	tcacagatga	ccacacaaaa	180
gtgtgtgctt	catctaaagg	tgcaaatgcc	tccaaccctg	gcccttttgg	agatgttctg	240
tgtgattctc	catatcaact	tattttgtca	gcatttgatt	ttattaaaaa	ttctggacaa	300
gaagcatctt	tcattgatatg	gacaggggat	agcccacctc	atgttcctgt	acctgaactc	360
tcaacagaca	ctgttataaa	tgtgatcact	aatatgacaa	ccaccatcca	gagtctcttt	420
ccaaatctcc	aggttttccc	tgcgctgggt	aatcatgact	attggccaca	ggatcaactg	480
tctgtagtca	ccagtaaagt	gtacaatgca	gtagcaaacc	tctggaaacc	atggctagat	540
gaagaagcta	ttagtacttt	aaggaaaggt	ggtttttatt	cacagaaagt	tacaactaat	600
ccaaacctta	ggatcatcag	tctaaacaca	aacttgact	acggcccaaa	tataatgaca	660
ctgaacaaga	ctgacccagc	caaccagttt	gaatggctag	aaagtacatt	gaacaactct	720
cagcagaata	aggagaaggt	gtatatcata	gcacatgttc	cagtggggta	tctgccatct	780
tcacagaaca	tcacagcaat	gagagaatac	tataatgaga	aattgataga	tatttttcaa	840
aaatacagtg	atgtcattgc	aggacaattt	tatggacaca	ctcacagaga	cagcattatg	900
gttctttcag	ataaaaaagg	aagtccagta	aattctttgt	ttgtggctcc	tgctgttaca	960
ccagtgaaga	gtgttttaga	aaaacagacc	aacaatcctg	gtatcagact	gtttcagtat	1020
gatcctcgtg	attataaatt	attggatatg	ttgcagtatt	acttgaatct	gacagaggcg	1080
aatctaaagg	gagagtccat	ctggaagctg	gagtatatcc	tgaccagac	ctacgacatt	1140
gaagatttgc	agccggaaag	tttatatgga	ttagctaaac	aatttacaat	cctagacagt	1200
aagcagttta	taaaatacta	caattacttc	tttgtgagtt	atgacagcag	tgtaacatgt	1260
gataagacat	gtaaggcctt	tcagatttgt	gcaattatga	atcttgataa	tatttcctat	1320
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<210> 4

<211> 1095

<212> DNA

<213> Homo sapiens

<400> 4

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tggcatgtga	ctgacttaca	cttagaccct	acttaccaca	tcacagatga	ccacacaaaa	180
gtgtgtgctt	catctaaagg	tgcaaatgcc	tccaaccctg	gcccttttgg	agatgttctg	240
tgtgattctc	catatcaact	tattttgtca	gcatttgatt	ttattaaaaa	ttctggacaa	300
gaagcatctt	tcattgatatg	gacaggggat	agcccacctc	atgttcctgt	acctgaactc	360
tcaacagaca	ctgttataaa	tgtgatcact	aatatgacaa	ccaccatcca	gagtctcttt	420
ccaaatctcc	aggttttccc	tgcgctgggt	aatcatgact	attggccaca	ggtgtatatc	480
atagcacatg	ttccagtggg	gtatctgcca	tcttcacaga	acatcacagc	aatgagagaa	540
tactataatg	agaaattgat	agatattttt	caaaagtaca	gtgatgtcat	tgcaggacaa	600
ttttatggac	acactcacag	agacagcatt	atggttcttt	cagataaaaa	aggaagtcca	660
gtaaatttctt	tgtttgtggc	tcttgctgtt	acaccagtga	agagtgtttt	agaaaaacag	720
accaacaatc	ctggtatcag	actgtttcag	tatgatcctc	gtgattataa	attattggat	780
atgttgcagt	attacttgaa	tctgacagag	gcgaatctaa	aggagagtc	catctggaag	840
ctggagtata	tcttgaccca	gacctacgac	attgaagatt	tgcagccgga	aagtttatat	900
ggattagcta	aacaatttac	aatcctagac	agtaagcagt	ttataaaata	ctacaattac	960

ttctttgtga gttatgacag cagtgtaca tgtgataaga catgtaaggc ctttcagatt 1020
tgtgcaatta tgaatcttga taatatttcc tatgcagatt gcctcaaaca gctttatata 1080
aagcacaatt actag 1095

<210> 5
<211> 15
<212> PRT
<213> Homo sapiens

<400> 5
Ser Lys Gly Ala Asn Ala Ser Asn Pro Gly Pro Phe Gly Asp Val
1 5 10 15

<210> 6
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Based on
NFIF-14b and NFIF-7a but with Kozak sequence 5' to
ATG

<400> 6
tccaccatgg cgctgggtgcg cgcactc 27

<210> 7
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Based on
NFIF-14b and NFIF-7a but with an EcoRV site added
onto the end

<400> 7
gtcgaaatat atttcgtgtt aatgctatag gtc 33

<210> 8
<211> 28
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Based on
NFIF-14b and NFIF-7a but with Kozak sequence 5' to
ATG

<400> 8
gctccaccat gatatggaca ggggatag

28

<210> 9
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Based on
NFIF-14b and NFIF-7a but with an EcoRV site added
onto the end

<400> 9
gccactgtgc tggatatcgt aattaac

27

<210> 10
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Based on
NFIF-14b and NFIF-7a but with Kozak sequence 5' to
ATG

<400> 10
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30